WebEx Network
Recording Player for
Advanced Recording
Format (.arf) Files
User's Guide



#### Copyright

WebEx Communications, Inc. and Cisco Systems, Inc. reserve the right to make changes in the information contained in this publication without prior notice. The reader should in all cases consult WebEx Communications, Inc. or Cisco Systems, Inc. to determine whether any such changes have been made.

COPYRIGHT 2008 BY WEBEX COMMUNICATIONS, INC. AND CISCO SYSTEMS, INC. ALL RIGHTS RESERVED.UNPUBLISHED - RIGHTS RESERVED UNDER THE COPYRIGHTS LAW OF THE UNITED STATES. USE OF A COPYRIGHT NOTICE IS PRECAUTIONARY ONLY AND DOES NOT IMPLYPUBLICATION OR DISCLOSURE.OTHER PRODUCT OR BRAND NAMES ARE TRADEMARKS OR REGISTERED TRADEMARKS OF THEIR RESPECTIVE HOLDERS.

RESTRICTED RIGHTS LEGEND. USE, DUPLICATION, OR DISCLOSURE BY THE GOVERNMENT IS SUBJECT TO RESTRICTIONS AS SET FORTH IN SUBPARAGRAPH (C) (1) (ii) OF THE RIGHTS IN TECHNICAL DATA AND COMPUTER SOFTWARE CLAUSE AT DFARS 252.227-7013, RIGHTS IN TECHNICAL DATA AND COMPUTER SOFTWARE (OCTOBER 1988).

Version: 2/25/08

WebEx Communications, Inc. 3979 Freedom Circle Santa Clara, CA 95054

URL: www.webex.com

## Contents

Chapte	r 1 Overview	.3
Inte	ended audience	.3
	out the WebEx Network Recording Player (for ARF files) and the WebEx Networked Recorder	
Syst	tem requirements	.6
Chapte	r 2 Recording Meetings	.7
Rec	cording a meeting	.7
Tips	s for improving recording quality	.9
Mal	king recordings available to others	.9
Cha	anging the recording name	12
Chapte	r 3 Playing & Managing Recordings 1	13
Play	ying recordings	13
Cor	ntrolling playback	15
Adj	usting volume during playback	16
Dov	wnloading and converting recordings	16
	Converting recordings to Windows Media format	17
	Converting recordings to Flash format	18
	Checking the status of converted files	18
Annenc	diy A. Uninstalling the WebEy Network Recording Player (for ARE files)	) 1

## Overview

If you want to	See
Know who can use the WebEx Network Recording Player for Advanced Recording Format (.arf) files and the WebEx Network-Based Recorder (NBR)	Intended audience on page 3
Discover the features WebEx Network Recording Player for Advanced Recording Format (.arf) files	About the WebEx Network Recording Player (for ARF files) and the WebEx Network-Based Recorder on page 4
Know what is required to use the WebEx Network Recording Player for Advanced Recording Format (.arf) files	System requirements on page 6

### Intended audience

The WebEx Network Recording Player for Advanced Recording Format (.arf) files, the WebEx Network-Based Recorder (NBR), and this guide are intended for meeting hosts who record meetings and store the results on a WebEx server. You can use the WebEx Network-Based Recorder to record any WebEx meetings that you host.

If you are not the host, you can use the WebEx standalone recorder, editor, and player products.

#### To learn more about other WebEx recording products:

- 1 On the WebEx menu at the left, click **Support** > **User Guides**.
- 2 Scroll down to the Creating, Managing, and Playing Meeting Recordings section and select *either* of the following:
  - "WebEx Recorder and Player (for WRF files)" (you can use this recorder to record meetings and applications and save them to your local computer)
  - "WebEx Recorder, Player, and Recording Editor User's Guide" (you can use this to edit recordings).

# About the WebEx Network Recording Player (for ARF files) and the WebEx Network-Based Recorder

With the Network-Based Recorder, you can record any WebEx meeting that you host:

- a meeting
- a sales meeting (optional)
- a training session
- an event
- a support session

The Network-Based Recorder stores your recordings on the WebEx network, so you do not use precious disk space on your local computer to store recordings.



**Note** Recordings use approximately 25 MB of disk space for each hour you record.

#### What you can record

The Network-Based Recorder records everything that occurs during a meeting, including:

- audio
- video (showing only the presenter)
- desktop share mouse movements and applications
- chat conversations
- polls
- Q&A results
- file transfers
- participant lists
- annotations

### About playing recorded meetings

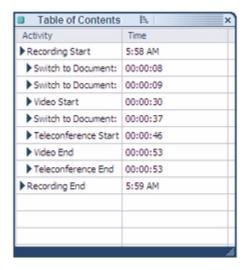
The first time you play a recording from your WebEx site, you are asked to download and install the WebEx player that you will use to play the recording.

Network-Based Recorder recordings are in a proprietary WebEx Advanced Recording Format (.ARF), but you can convert them to the Windows Media Format (.WMV) or Shockwave Flash Object Format (.SWF) and use other multimedia players to play or edit them. For detailed instructions, see "Downloading and converting recordings" on page 16.

You and your attendees can download or stream (play) your recordings from your WebEx Web site. Streaming allows others to play recordings without downloading them to their computers. As a host, you can access recordings from the MyWebEx > My Files > My Recordings page, as well as other pages that may be available for your service center.

Others can access recordings using a URL that you provide to them. They can also play listed recordings that you have specified should be listed in the Event Recordings page in the Event Center, the Recorded Meetings page in the Training Center, or a sales portal page in the Sales Center.

The WebEx Network Recording Player allows you to pause, fast-forward, rewind, or stop playback. A table of contents highlights recorded events such as chat sessions, notes, polling. You can click an event in the table of contents to quickly go to the beginning of that event in the recording.



Meeting attendees will know when your meeting is being recorded; a beep sounds periodically throughout the meeting (if your site administrator enabled this feature) and a recording indicator displays in the meeting window.





#### Note

- If your site administrator has enabled the option to automatically record all meetings with the Network-Based Recorder, all the meetings you and others host are recorded automatically, and only the site administrator can manage or delete those recordings.
- If necessary, a site administrator can reassign ownership of all of one user's recordings to another user, such as if the original owner of the recordings leaves a company or if responsibilities change and another person needs to have ownership of the recordings.

## **System requirements**



**Note** This guide assumes that you have a valid user account on your WebEx site.

To effectively use the Network-Based Recorder or the Network Recording Player (for ARF files), make sure that your computer meets the following system requirements:

- Microsoft Microsoft Windows Vista, XP, or 2000
- Microsoft Internet Explorer 6.0 SP1, 7.1 or a later version; or Netscape 8. 1 (for Windows XP or 2000)
- At least 512 MB of RAM for Windows XP or 2000 or 1GB of RAM for Windows Vista
- Intel or AMD processor with at least 1.7 GHz
- Integrated or separate sound card, for playing audio

For a list of recommended sound cards, refer to the Recording and Playback Frequently Asked Questions (FAQ) page on your WebEx service Web site.

- Windows Media Player 9.0 or later
- (For recording) a microphone or telephone recording adapter
- (For playback) speakers or and headphones

# Recording Meetings

If you want to	See
Start recording	Recording a meeting on page 7
Learn how to achieve the best recording results	Tips for improving recording quality on page 9
Publish your recordings so that others can play them	Making recordings available to others on page 9
Change recording file names	Changing the recording name on page 12

## **Recording a meeting**

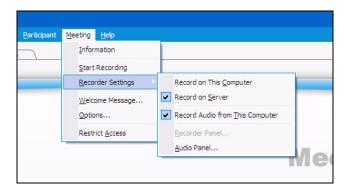


#### Note

- Before you record, adjust the microphone volume. For best results, only make minor adjustments during the recording.
- If you plan to record a desktop sharing or video meeting, set your computer's monitor to 1024 by 768 resolution to ensure the highest-quality recording.

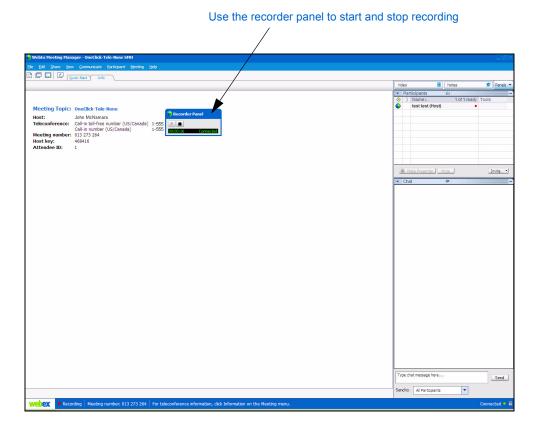
#### To record a meeting with the Network-Based Recorder (NBR):

- 1 Start your meeting.
- 2 On the Meeting menu, select Recorder Settings, and then choose Record on Server.



- 3 On the Meeting menu, choose Start Recording.
- 4 Follow the instructions that appear in the WebEx Recorder Setup wizard.

5 Once the recording server establishes a connection, click **Start Recording**. The recorder panel appears and recording starts automatically.





**Note** If you transfer the host role to another participant during a meeting, you still need to manage the recording.

When the recording is complete, you can go to the My Recordings page on your WebEx site to download or play the recording. The My Recordings page is located in MyWebEx under My Files.



#### Note

- When you record a meeting with NBR, the recording is automatically copied to the My Recordings page after you stop the recording. It may also be automatically copied to a recordings page for your service center. For more information, see *Playing recordings* on page 13.
- If your site administrator has enabled the option to record all meetings with NBR, all the meetings that are hosted at your site are recorded automatically, and only the site administrator can manage and delete recordings from the network; you cannot delete them yourself.

## Tips for improving recording quality

The Network-Based Recorder captures video at 2.5 frames per second to create high-quality recordings while keeping the size of recording files relatively small. Use the techniques in this section to further improve recording quality.

#### Improving video quality

- When capturing mouse movements, move your mouse slowly at first, and then gradually move it faster.
- Before you click a button or choose a menu item, briefly pause your mouse over the object. This allows the recorder to capture the mouse movement before you click the object.
- If you plan to record complex or lengthy actions, script the sequence before you start recording to minimize mistakes.
- Set your monitor's display resolution to 1024 by 768 pixels before recording.

#### Improving audio quality

- If the audio quality is poor, consider upgrading your computer sound card, microphone, or speakers.
- Set your microphone volume to the highest level possible that does not cause distortion.
- Use a phone headset for recording audio. Headsets typically provide better quality than phone handsets or speakerphones.
- Speak about six inches away from your microphone.
- To avoid unwanted background noise, record in a quiet location. Avoid moving objects that create noise, such as papers and books.
- Speak clearly.

## Making recordings available to others

If you make a recording from the Network-Based Recorder, the WebEx server automatically uploads the recording file to the My Recordings page. You can maintain the recording from that page. It may also be automatically copied to the following pages:

- The recordings for meetings you hosted are automatically copied to your My Recorded Meetings page.
- The recordings for events you hosted are automatically copied to your My Event Recordings page.
- The recordings of sales meetings you hosted are automatically copied to your

Recordings page in your Sales Portal Library.

 Recordings of training sessions that you hosted are automatically copied to your My Training Recordings page.



#### Note

- If the recording is made from the integrated or standalone WebEx Recorder, you can upload the recording file, with a .wrf extension, from your local computer.
- You also can specify the Web address, or URL, at which the recording resides on a publicly accessible Web server, such as your organization's Web site.
- In addition, you can upload and store recording files that are in Windows Media Audio/Video (WMV) or Shockwave Flash Object (SWF) format, such as ARF files you converted to WMV or SWF format with the WebEx Network Recording Player (for ARF Files). For more information on converting files, see *Downloading and converting recordings* on page 16

#### To make recordings available to others:

- 1 Do any of the following:
  - Click My WebEx > My Files > My Recordings.
  - Click My WebEx > My Files > My Event Recordings or log in to Event Center and then click My Event Recordings.
  - Click My WebEx > My Files > My Training Recordings or log in to Training Center and then click my Training Recordings
  - Log in to Meeting Center and then click My Recorded Meetings.
  - Log in to Sales Center and then click **Recordings**.

#### 2 Do one of the following:

- Click the Meeting Topic name, and in the Recording Information page, copy the Streaming recording link, Download recording link, or Direct recording link, if available, to an email message.
- Click the Edit icon in the same row as the recording name to edit the recording and open the Edit Recording page, and then do one of the following:
  - □ To list an event recording on the Event Recordings page, set **Type** to **Listed**.
  - □ To list a training session recording on the Recorded Sessions page, set Type to Listed for all (public) or Listed for authorized users only (internal).
  - □ For a Sales Center recording, click the **Publish** link to specify a sales portal to publish the recording.

- **3** Optional. At **Description**, enter or change the file description.
- 4 Optional. Modify the location of the file. At Recording file:
  - □ To reference a file that is currently on your web site, click I will provide URL then enter the URL in the box below.
  - □ To upload a file from your computer, click **Use the file on my local machine**, and then enter the path in the box below.
  - □ To reference a file that is already on your WebEx service site, click **Use a file that is already on the WebEx network**, and then click Look Up to select one of the existing recordings.
  - ☐ To reference a presentation using Presentation Studio, click **Create a Presentation Using Presentation Studio**. (Training Center only)
- 5 Optional. To control how the recording is played backed for users, specify any of the following options under Playback control:
  - □ Under Panel Display Options, select which panels you want to display. Selecting this option does not modify the actual recording stored on the WebEx network.
  - □ Under Recording Playback Range, select one of the following options:
    - Full playback: Plays back the full length of the recording. This option is selected by default.
    - Partial playback: Plays back only part of the recording based on your settings. You can specify a smart time and/or an end time to omit part of the recording at the beginning or end, such as to omit "dead time."
  - ☐ If you would like to prevent viewers from skipping portions of the recording, you can turn the **Include NBR player** controls option to omit Network Recording Player controls, such as stop, pause, resume, fast forward, and rewind, from the playback.



**Note** The playback control options are available only in the My Recorded Meetings page, the My Event Recordings page, the My Training Recordings page, and the Recordings page in the Sales Portal library, and they do not modify the actual recording that is stored on the WebEx network.

- 6 Optional. To specify a password that others must enter to play the recording, enter it in the **Set password** and **Confirm password** boxes.
- 7 Click Save.

To make it possible for others see the video, just provide the URL and password (is you entered one).

## **Changing the recording name**

By default, recording file names include the date and time that you made the recording. You can use this procedure to change the name.

#### To change the recording file name:

- 1 Click My WebEx then click My Files.
- **2** Click My Recordings.
- 3 Click the topic name of the desired recording.
- 4 Click Properties.
- **5** Click the **Edit** tab.
- **6** Enter a new name for the recording in the **Topic** box.
- 7 Optional. Enter a description for the recording in the **Description** box.
- 8 Click Save.

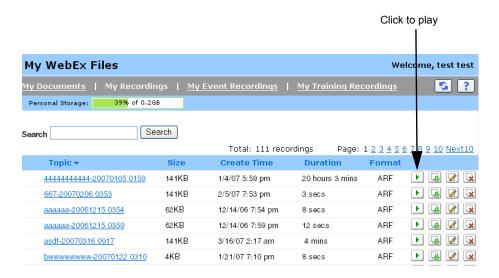
# Playing & Managing Recordings

If you want to	See
Play a recording	Playing recordings on page 13
Pause, rewind, stop, or resume playback	Controlling playback on page 15
Adjust the volume	Adjusting volume during playback on page 16
Download network-based recordings and convert them to another format	Downloading and converting recordings on page 16

## **Playing recordings**

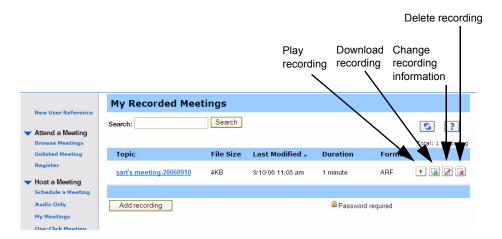
If you are the host who made the recording, use the following procedure to locate and play your recordings:

- 1 From your WebEx service site do one of the following:
  - □ Click the My WebEx tab, click My Files, and then click *one* of the following:
    - My Recordings
    - My Event Recordings (Event Center only)
    - My Training Recordings (Training Center only)



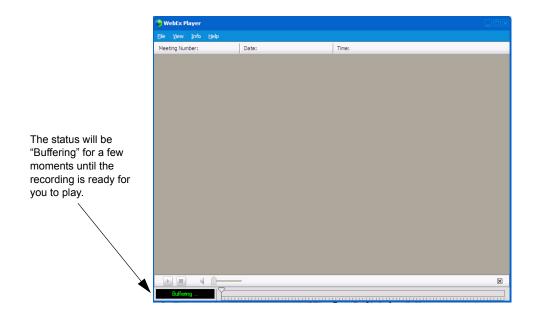
- □ On the menu at the left, expand the host menu and click:
  - My Recorded Meetings (Meeting Center only)

- My Event Recordings (Event Center only).
- My Training Recordings (Training Center only)
- **Recordings** (Sales Center Portal Library only)



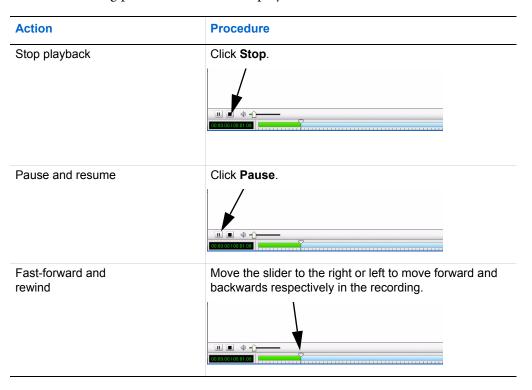
#### If you are not the host:

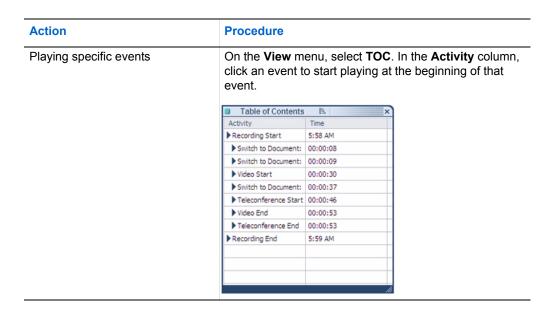
- 1 Do *one* of the following:
  - Paste the URL that the host provides into your Web browser.
  - If the meeting host has listed the recording in one of the following locations, you can go to these locations to download or play the recording:
    - □ Log into the Events Center, and on the Events by Program page, click View Event Recordings to view the Event Recordings page.
    - □ Log into the **Training Center**, and in the left pane, click **Recorded Sessions** to view the Recorded Sessions page.
    - ☐ Go to a sales portal the host has sent you notification about.
- **2** Do one of the following:
  - On the Event Recordings page or Recorded Sessions page, click the Play icon to play the recording, or click the Download icon to download the recording and play it on your computer.
  - On the sales portal page, click the link to play the recording.
- 3 If the WebEx Network Recording Player displays, wait a few moments for the recording to automatically start.



## **Controlling playback**

Use the following procedures to control playback.





## Adjusting volume during playback

You can increase or decrease and mute or unmute the volume.

#### To adjust the volume:

- 1 To increase or decrease the volume, drag the **Volume** slider to the right or left respectively.
- 2 To mute or unmute the audio, click the Mute button.



## **Downloading and converting recordings**

You can download network-based recordings, save them to your computer, and them use the player to play them.

ARF recordings are a proprietary WebEx ARF format, but you can convert them to the Windows Media Format (.WMV) or Shockwave Flash Object (.SWF) and use other multimedia players to play or edit them.



**Note** It may take some time to convert the recording and the process may use a good portion of your computer's resources. You can schedule a time when you are not planning to use your computer; the WebEx Network Recording Player automatically converts the files at that time. You can then check the status of pending recording conversions. See *Checking the status of converted files* on page 18.

### **Converting recordings to Windows Media format**

To download recordings and convert them to Windows Media (WMV) format:

- 1 While playing the meeting in the Network Recording Player, click File > Convert > WMV (Windows Media Format).
- 2 At Save in, select the location to save the file.
- 3 At Content options, select the meeting component that you want to save. Choose any of the following panels:
  - Chat: includes all chat conversations.
  - Q&A: if you are recording a Training Center session, this includes any Q&A sessions.
  - Notes: includes any notes entered into the Notes panel.
  - Video: includes the meeting video.
  - **Polling:** if you are recording a Training Center session, this includes any polls.
- 4 Click Preview Layout to preview your content settings.
- 5 At Schedule Conversion indicate when you want the file to be converted. Choose one of the following:
  - **Convert immediately:** Converts the file as you save it to your computer.
  - Convert at the following time: Saves the file and then converts it at the date and time you select.
- 6 At Video Codec specify the video codec you want to use to:
  - Windows Media Video 9: this codec creates output that is compatible with the following players:
    - □ Windows Media Player 6.4+
    - □ Windows Media Player 9 for Mac OS X
    - □ Windows Media Player 9 Series and Windows Media Player 9.1 for Pocket PC\*
    - □ Windows Media Player 9 Series and Windows Media Player 9.1 for SmartPhone\*

■ Windows Media Video 9 screen: this codec is optimized for compressing sequential screenshots and highly static video that is captured from computer displays, which makes it ideal for delivering demos or demonstrating computer use for training. The codec takes advantage of the typical image simplicity and relative lack of motion to achieve a very high compression ratio. This codec creates files that can be played with Windows Media Player 7 or later.

7 Click OK.

### **Converting recordings to Flash format**

To download recordings and convert them to Flash (SWF) format:



**Note** If you convert the recording to the SWF format and your recording contains panels, you will not be able to move the panels in your saved recording.

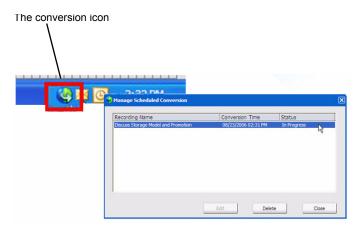
- 1 While playing back the meeting in the Network Recording Player, click File > Convert > SWF (Flash Format).
- 2 At Save in, select the location to save the file.
- **3** At **Schedule Conversion** indicate when you want the file to be converted. Choose one of the following:
  - **Convert immediately:** Converts the file as you save it to your computer.
  - Convert at the following time: Saves the file and then converts it at the date and time you select.
- 4 Click OK.

### Checking the status of converted files

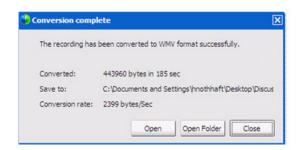
If you scheduled your recording to be converted at a later time, use this procedure to view information about and manage scheduled recording conversions.

#### To check the status of converted files

1 Double-click the Conversion Manager icon in your Windows taskbar. The Manage Scheduled Conversion window appears.



- 2 Optional. Click **Edit** to edit the scheduled conversion time for a pending conversion.
- **3** Optional. Click **Delete** to delete a pending conversion.
- 4 When the conversion process is complete, the following window appears.





# Uninstalling the WebEx Network Recording Player (for ARF files)

You can remove the WebEx Network Recording Player from your computer. Uninstalling the player does not remove any recordings that reside on the network.

To uninstall WebEx Network Recording Player (for ARF files):

- 1 On the Windows Start menu, click Settings.
- 2 Click Control Panel.
- 3 Double-click the Add/Remove Programs icon.
- 4 In the list of programs, click Network Recording Player.
- 5 Click Remove.

# Index

A	0
ARF format, described 5, 16 audio	overview 4
adjusting volume 16 muting 16	P
tips for recording 9 unmuting 16	pausing playback 15 playback
В	adjusting volume 16 fast-forward 15 pausing 15
buffering 15	resuming 15 rewinding 15
D	stopping 15 using table of contents 16
desktop sharing, tips for recording 7	playing recordings 13, 14 specific events 16
F	
fast-forward playback 15	R
feature overview 4	recorder settings 7
I .	recording changing name 12 notification 5
intended audience 3	starting 7 recording tips 9
L	recordings fast-forward playback 15
listing recordings 9	how to 7 listing 9 making available to others 9
M	pausing playback 15 playing 13, 14 resuming playback 15
making recordings available to others 9 microphone, adjusting volume 7 muting audio 16	rewinding 15 stopping playback 15 what is recorded 4 resolution, setting before recording 7
N	resuming playback 15 rewinding playback 15
name, changing 12 notification, recording 5	S
	settings, recorder 7

```
Shockwave Flash Object format 5, 16
start recording 7
stopping playback 15
streaming
    described 5
    recordings 14
SWF format, described 5, 16
system requirements 6
Т
table of contents 16
tips
    recording 9
    recording audio 9
   video recording 9
U
uninstalling the Network Recording Player 21
unmuting, audio 16
V
video
    recording 7
   tips for recording 9
W
WebEx Network Recording Player, uninstalling 21
Windows Media Format 5, 16
WMV format, described 5, 16
```